

Concave Polygons Investigation

Name(s): _____

CATEGORY	4	3	2	1
Angle Measures	Project shows complete understanding of the angle measures. No mistakes are made.	Project shows substantial understanding of angle measures. One mistake is made.	Project shows some understanding of angle measures. More than one mistake is made.	Project shows very limited understanding of the underlying concepts OR angles not written.
Lengths of Sides	Project shows complete understanding of the ratios of sides. No mistakes are made.	Project shows substantial understanding of the ratios of sides. One or two mistakes are made.	Project shows some understanding of ratio of sides. More than two mistakes are made.	Project shows very limited understanding of the underlying concepts OR sides not written.
Accuracy of other information; polygon is concave	No mistakes or omissions are made and polygon is concave.	One mistake or omission is made in the information and polygon is concave.	More than one mistake or omission is made in the information OR the polygon is not concave.	More than one mistake is made in the information AND the polygon is not concave.
Additional observations and information	More than two observations are noted and are accurate.	Two observations are noted and are accurate.	One observation is made and is accurate OR observations made are inaccurate.	No observations are made.
Use of color and imagination	Polygons are interesting, and project is displayed in a colorful way.	Polygons are somewhat interesting and the project is colorful.	Polygons reflect little imagination OR project is not colorful.	Polygons reflect little imagination AND project lacks color.
Overall appearance of project	The work is very neat and appealing to the eye, reflecting an impressive amount of effort and attention to detail.	The work is somewhat neat and appealing to the eye, reflecting a decent amount of effort and attention to detail.	Some effort was made to make the project look okay, but more effort was needed.	A lot more effort was needed.

